

**Report on the Distinguished Lecture Tours (DLTs)**

Report on Distinguished Lecture Tours (DLT)  
 (Reported by IEEE APO – as at 20th April 2010)

In Nov and Dec of 2009, we organized 3 DLTs to the Asia Pacific. Distinguished lecturer, Gabriel Jakobson gave his lectures in Tainan, Macau and Tokyo. Distinguished lecturer, Anthony Ephremides went to Canberra, Adelaide, Brisbane and Christchurch, and Koichi Asatani to Christchurch, Brisbane, Canberra and Melbourne.

All these 3 DLT programs were successfully held. The hosting chapters were pleased with the outcome and gave positive feedback on the lectures. The DLTs gave local ComSoc members and students opportunities to expand their knowledge in specific technical areas.

The Communications Society has approved 2 DLTs to the Asia Pacific for 2010. The 1<sup>st</sup> DLT was completed in March 2010 and the second DLT approved is scheduled for July 2010.

We hope to organize another 3 more DLTs for the Asia Pacific Region by the year end.

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**AP DLT #1: 8<sup>th</sup> -16<sup>th</sup> March 2010**

**Lecturer: Arun Somani**

Hosting Chapter	2010 Chapter Chairs
Singapore ComSoc Chapter	Hooi-Chee Ho
Tainan ComSoc Chapter	Hsiao-Hwa Chen
Taipei ComSoc Chapter	Chi-Chao Chao



This DLT covered Singapore, Tainan and Taipei. Lectures were given in the respective cities on agreed topics of interest:

- 1. Singapore : 9<sup>th</sup> March 2010 (Tuesday)**  
**Topic: "Efficient Protection and Grooming Architecture for Optical Networks."**

**2. Tainan: 12<sup>th</sup> March 2010 (Friday)**

**Topic:** “Autonomous Aero-Visual and Sensor Based Inspection Network for Asset Monitoring.”

**3. Taipei : 15<sup>th</sup> March 2010 (Monday)**

**Topic:** “Autonomous Aero-Visual and Sensor Based Inspection Network for Asset Monitoring.”

**Summary of Singapore ComSoc Chapter’s Report**

*The talk by the IEEE Distinguished Lecturer Prof. Arun Somani organized by the IEEE Communications Society was arranged at the Department of Electrical and Computer Engineering, National University of Singapore on 9<sup>th</sup> March 2010 at 9-30 am at EA-06-04. Professor Somani is an eminent researcher and a pioneer in the field of optical networking. He delivered the talk on the topic of Efficient Protection and Grooming Architecture for Optical Networks. He covered two major approaches-lightrail based and p-cycle based approaches. Various issues ranging from architectures design and protocols were discussed. The talk was very interesting and valuable to the communication networking community, particularly the optical networking community. The talk was well attended and received by the audience. The audience included the academic, research staff, and students from the University and the ASTAR research institute.*

*Prof. Somani delivered the talk in a very organized way. It was delivered with clarity with a lot of background information and illustrations. He also used means to engage the audience. The chosen topic is of high academic and research value with possibly industrial applications in future. It was on a more focused area of optical networking. Given this, attendance of 30 people is quite good. Majority of the participants are either working in the related area or currently carrying our studying the related topic. There was good response and feedback as they got exposed to new topic and approaches.*

## **Summary of Taipei ComSoc Chapter's Report**

### **Organizing Process of the DLT**

*This DLT was through the cooperation of IEEE Communications Society Taipei Chapter and National Taiwan University. All the local arrangements were made by National Taiwan University. Taipei Chapter contacted the IEEE Asia Pacific Operations Centre/Communications Society Office first time on 17 October 2009 applying for hosting the DLT of Prof. Arun K. Somani and was notified on 18 February 2010 that the DLT was approved. We would like to sincerely thank the IEEE Asia Pacific Operations Centre/Communications Society Office for its excellent coordination of the tour and the IEEE DLT Program for its support. The whole process of organizing Prof. Somani's DLT was a big success.*

### **Audience Size / Mix of Students or Industry**

*The number of the audience was about 150 with a mixture of students and professors from related fields.*

### **Audience Participation / Response**

*The response from the audience were very good. They were quite interested in the talk. Many were impressed by the high degree of integration/sophistication and large size of the projects presented in the talk. The autopilot helicopter video clips and the decorated lego model in the experiments shown drew lots of attention. Yet some audience felt that the content of the talk was somewhat too application-oriented and few theoretical aspects were addressed.*

### **Audience Feedback**

*The audience felt very positive about the IEEE DLT Program and were eager to participate in another one in the near future.*

### **Relevance of the DLT Topic**

*The topic is closely related to the current trends of sensor-related research.*

### **Comment on the Lecturer**

*Prof. Somani gave an interesting talk on Autonomous Aero-Visual and Sensor Based Inspection Network for Asset Monitoring. He used some simple evidence to demonstrate the importance of the topic and introduced quite a number of related projects, including one involving a sophisticated system for real-time detection and prevention of failures of power transmission systems through the integration of various technologies such as wireless sensing, automatic control, image processing, and wireless communication. Practical and implementation aspects of the topic were well addressed. Some interesting pictures and video clips were also shown so that the audience could easily get into the talk. In general, the talk were nicely presented. However, some more theoretical aspects might make this talk even better. The pace and length of the talk were controlled very well.*



*(Photo taken by National Taiwan University)*

**AP DLT #2: Scheduled Plan 8<sup>th</sup> – 19<sup>th</sup> July 2010**

**Lecturer: Bhumip Khasnabish**

<b>Hosting Chapter</b>	<b>2010 Chapter Chairs</b>
Bombay ComSoc Chapter	Avinash V Joshi
Hyderabad Section Hyderabad ComSoc Chapter	N G P Mandaleeka Deergha Rao
Kharagpur Section	Chandan Chakraborty
Calcutta ComSoc Chapter	Swarup Mandal



This DLT will cover Bombay, Hyderabad, Kharagpur and Calcutta. The topic of “Converged Services and a New Generation of Networking” will be delivered to the following locations:-

- 1. Bombay: 9<sup>th</sup> July 2010 (Friday)**
- 2. Hyderabad: 13<sup>th</sup> July 2010 (Tuesday)**
- 3. Kharagpur: 15<sup>th</sup> July 2010 (Thursday)**
- 4. Calcutta: 17<sup>th</sup> July 2010 (Saturday)**

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Due to budget constraints, the IEEE ComSoc financial support is US\$ 1,000 per DLT for the year 2010. Hence, the hosting chapters and lecturer will have to find alternative sources of funding for the lecturer’s travel expenses including airfares if it exceeds US\$1,000.

However, it was very encouraging to see that the hosting organizers in the Asia Pacific and lecturers are still dedicated to participating in the distinguished lecturers program. With the enthusiastic participation, the local members and students will be able to benefit from the lectures.

In Dec 2009, Prof. Han Vinck was invited by the universities in Taiwan (National Taiwan University, National Tsing Hua University, National Cheng Kung University and National Chiao Tung University) to deliver technical talks to the local students and members. It was not funded by IEEE ComSoc, but the local chapters and organizers had provided full funding and support to this technical seminar. The participation of the audience was very encouraging with about 100 – 200 participants attending each lecture. The local chapters and organizers did a very good job in promoting and publicizing the lectures. This technical seminar was successfully held and it brought mutual benefits to local participants and the lecturer.

Another technical seminar without the funding from IEEE ComSoc was held in Nanjing and ShenZhen in Feb 2010. Dr. Bhumi Khasnabish was welcomed by the Nanjing and Shenzhen ComSoc Chapter to deliver a talk on the topic “Converged Services and a New Generation of Networking” to their local members and students during his personal business trip to China. We would like to express our gratitude to Dr. Bhumi Khasnabish for taking his precious time out from his business trip to share his knowledge and field of expertise to benefit the local audience in China.

As a conclusion, we would like to thank all the dedicated lecturers for showing their professionalism, and for sharing their knowledge and expertise to a wide audience in the Asia Pacific Region. Also, we would like to extend a big thank you to the hosting chapters for their hospitality and making the distinguished lecturers program a success.

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